

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7581	( silicon with Germanium with tin)	US-PGPU B; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/03 13:58
L2	10	( silicon with Germanium with tin) and ( direct with bandgap with semiconductors)	US-PGPU B; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/03 14:03
L3	2495	( silicon adj Germanium adj tin)	US-PGPU B; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/03 14:03
L4	178247	( silicon adj Germanium adj tin) or ( SiGe Sn)	US-PGPU B; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/03 14:03
L5	2509	( silicon adj Germanium adj tin) or ( SiGeSn)	US-PGPU B; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/03 14:04
L6	2498	( silicon adj Germanium adj tin) or ( SiGeSn) and ( direct with bandgap)	US-PGPU B; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/03 14:04
L7	8	(( silicon adj Germanium adj tin) or ( SiGeSn)) and ( direct with bandgap)	US-PGPU B; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/03 14:08

10/559,979

## EAST Search History

L8	7	"5548128"	US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/06/03 14:24
L9	6	"5377214"	US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/06/03 14:29
L10	0	( BeZnSeTe) adj ( Lattice with constant)	US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/06/03 14:30
L11	1	( BeZnSeTe) with ( Lattice with constant)	US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/06/03 14:30

1) 5,548,128 — 257/18, 103, 19, 190, 201, 203, 616  
E29.078, E31.035, E31.061, E33.009

2) 6,897,471 — 257/ 22, 14, 15+, + 21

3) 4,769,341 — 117/ 105, 108, 939  
148/ 89.160, 169, 72+97  
257/ E21.123  
438/ 933 & 936 ✓

4) 2005/0070053 — 438/ 151, 285 ✓

5) 6,888,175 — 257/ 103, 183, 189  
E21.125, E29.079, E31.004,  
E31.026.  
10/559,979

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(SnGe with layer) and (GeSnSi with layer)	US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/06/03 12:48
L2	5	(SnGe with layer)	US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/06/03 12:47
L3	2	"6897471"	US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/06/03 12:48
L4	0	( GeSnSi with layer)	US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/06/03 12:48
L5	0	( GeSnSi with layer)	US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/06/03 12:48
L6	5	( SiSnGe with layer)	US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/06/03 12:49
L7	9	2 or 6	US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/06/03 12:51